

Amendments to the Claims

Claims 23, 27, 40, 43 and 46 are pending in this application and amended as follows:

1-22. (Canceled)

23. (Currently amended) A method for transmitting a data frame having a header portion and a data portion from a mobile station to ~~a network for use in a wireless communication system comprising a base station operable to wirelessly communicate with a plurality of stations~~, the method comprising:

assigning a first field of the header portion to indicate whether the data frame has a request of a time resource while ~~sending data~~ included in the data portion is transmitted simultaneously with the request, wherein the first field has a first logic value when the data frame has the request of the time resource;

assigning a second field of the header portion to identify an amount of the time resource requested when the first field has the first logic value;

assigning a third field of the header portion to contain a priority parameter representing control information related to at least one of a fragmentation and a retransmission; and

transmitting the data frame at one transmission interval to the base station.

24-26. (Canceled)

27. (Currently amended) A station operable within a wireless communication system, the station comprising:

a data frame generator configured to form a data frame, the data frame comprising a header portion and a data portion wherein the header portion further comprises

a first field to indicate whether the data frame has a time resource request while ~~sending data~~ included in the data portion is transmitted simultaneously with the time

resource request, the first field having a first logic value when the data frame has the request of the time resource;

a second field to identify an amount of the time resource requested when the first field has the first logic value;

a third field to contain a priority parameter representing control information related to at least one of a fragmentation and a retransmission; and

a transmitter for transmitting the data frame at one transmission interval to a base station.

28-39. (Canceled)

40. (Currently amended) A method of transmitting data from a mobile station to a network in a wireless communication system, the method comprising:

transmitting a data frame comprising a time resource request and data at a first transmission interval ~~within a data frame~~, the data frame comprising a header portion and a data portion, wherein the header portion has at least

a first field having a first logic value to indicate to the network that the data frame has the time resource request while the data is transmitted simultaneously with the time resource request,

a second field to identify an amount of time resource required when the first field has the first logic value, and

a third field to contain a priority parameter representing control information related to at least one of a fragmentation and a retransmission;

receiving a time resource allocation responsive to the time resource request; and

transmitting the data frame within the allocated time resource at a second transmission interval.

41-42. (Canceled)

43. (Currently amended) A method of transmitting data in a wireless communication system, the method comprising:

forming a data frame in a mobile station having a header portion and a data portion, wherein the header portion has at least

a first field to indicate to ~~the~~a network whether the data frame has a time resource request while the data included in the data portion is transmitted simultaneously with the time resource request, the first field having a first logic value when the data frame has the time resource request,

a second field to identify an amount of time resource required when the first field has the first logic value, and

a third field to contain a priority parameter representing control information related to at least one of a fragmentation and a retransmission;

transmitting the data frame at a first transmission interval to the network;

allocating, by the network, the time resource responsive to the time resource request ~~by the network~~;

receiving an indication at the mobile station of the allocated time resource; and

transmitting the data frame from the mobile station to the network at a second transmission interval.

44-45. (Canceled)

46. (Currently amended) A method for transmitting a data frame from a mobile station to ~~a network for use in a wireless communication system comprising a base station operable to wirelessly communicate with a plurality of stations~~, the method comprising;

forming the data frame, wherein the data frame comprises a header portion and a data portion, and wherein the header portion further comprises

a first field to indicate to the network whether the data frame has a time resource request while ~~sending data~~ included in the data portion is transmitted simultaneously with the time resource request, the first field having a first logic value when the data frame has ~~the request of the time resource request~~,request,

a second field to identify an amount of time resource required when the first field has the first logic value, and

a third field to contain priority parameter representing control information related to at least one of a fragment and a retransmission; and transmitting the data frame at one transmission interval to a base station.